

2010 Mosquito-Borne Disease Surveillance Report Talking Points

- Eight human cases of La Crosse encephalitis virus (LAC) were reported in 2010 from 5 counties. This number is less than the number of cases reported in 2009.
- No human cases of West Nile virus (WNV), St. Louis encephalitis virus (SLE), or Eastern equine encephalitis virus (EEE) were reported in 2010.
- Two human cases of travel-associated dengue fever were reported. Travel histories included the Philippines and Honduras.
- Three human cases of travel-associated malaria were reported. Travel histories included India and Nigeria.
- Mosquito surveillance was conducted in a similar manner as in previous years with trapping sites in 2 counties – Kanawha and Jackson. The Ohio county health department also trapped mosquitoes and sent specimens to OLS for testing. Mosquito surveillance ended in August 2010 which is earlier than in previous years.
- 26 (5.7%) of 459 collected mosquito pools tested positive for WNV. Positive mosquito pools were identified in Kanawha, Jackson, and Ohio counties.
- No mosquito pools tested positive for SLE, EEE, or LAC.
- There were no positive arboviral specimens identified from dead bird or equine specimens.
- The number of dead bird and equine specimen submissions has been decreasing over the past several years. Outreach efforts with local health departments, other state agencies, veterinarians, and the general public are needed to help increase awareness of surveillance and testing services available at OLS.
- Prevention efforts for mosquito-borne diseases should include education on avoiding mosquito bites and precautions to take when traveling to areas endemic for mosquito-borne diseases not generally transmitted in the United States.
- Enhanced passive surveillance efforts for arboviruses will continue in 2011.

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